Human p38 delta/MAPK13 (Activated in vitro, GST Tag) recombinant protein

Catalog Number: 501798

General Information

Gene Name Synonym

Mitogen-activated protein kinase p38 delta; Stress-activated protein kinase 4

Protein Construction

A DNA sequence encoding the full length of human MAPK13 (O15264) (Met1-Leu365) was fused with the GST tag at the N-terminus. Activated in vitro by MAP2K6 (10422-H20B1).

Organism

Human

Expression Host

Baculovirus-Insect cells

QC Testing

Activity

The specific activity was determined to be 55 nmol/min/mg using MBP as substrate.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Met

Molecular Mass

The recombinant human MAPK13/GST chimera consists of 589 amino acids and predicts a molecular mass of 68.4 kDa. It migrates as an approximately 63.9 kDa band in SDS-PAGE under reducing conditions.

Formulation

Supplied as sterile 50 mM Tris-HCl, 150 mM NaCl, 0.25 mM DTT, 0.1 mM EDTA, 0.1 mM PMSF, 25 % glycerol, pH 7.5.
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

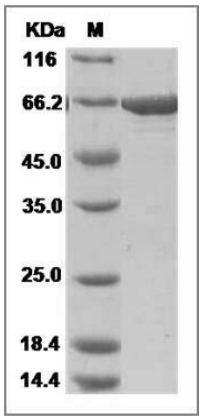
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human p38 delta / MAPK13 Protein (GST Tag) SDS-PAGE